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=> s 435/4/ccls

L1 1583 435/4/CCLS

=> s 435/69.1/ccls

L2 3908 435/69.1/CCLS

=> s 435/172.1/ccls

L3 2 435/172.1/CCLS

=> s 435/368/ccls

L4 49 435/368/CCLS

=> s 435/320.1/ccls

L5 5870 435/320.1/CCLS

=> s 435/455/ccls

L6 123 435/455/CCLS

=> s 11-16

L7 8933 (L1 OR L2 OR L3 OR L4 OR L5 OR L6)

=> s 17 and presenilin?

3 PRESENILIN?

L8 1 L7 AND PRESENILIN?

=> d

1. 5,840,540, Nov. 24, 1998, Nucleic acids encoding **presenilin**

II; Peter H. St. George-Hyslop, et al., **435/69.1**., 252.3, **320.1**., 325; 530/350; 536/23.1, 24.3 [IMAGE AVAILABLE]

=> d ab

US PAT NO: 5,840,540 [IMAGE AVAILABLE]

L8: 1 of 1

ABSTRACT:

The present invention describes the identification, isolation and cloning of two human **presenilin** genes, PS-1 and PS-2, mutations in which lead to Familial Alzheimer's Disease. Also identified are **presenilin** homologue genes in mice, *C. elegans* and *D. melanogaster*. Transcripts and products of these genes are useful in detecting and diagnosing Alzheimer's disease, developing therapeutics for treatment of Alzheimer's disease, as well as the isolation and manufacture of the protein and the constructions of transgenic animals expressing the mutant genes.

=> s presenilin?

L9 3 PRESENILIN?

=> d 1-

1. 5,877,399, Mar. 2, 1999, Transgenic mice expressing APP-Swedish mutation develop progressive neurologic disease; Karen Hsiao, et al., 424/9.2 [IMAGE AVAILABLE]

2. 5,840,540, Nov. 24, 1998, Nucleic acids encoding **presenilin** II; Peter H. St. George-Hyslop, et al., 435/69.1, 252.3, 320.1, 325; 530/350; 536/23.1, 24.3 [IMAGE AVAILABLE]

3. 5,837,838, Nov. 17, 1998, Bax inhibitor proteins; John C. Reed, et al., 536/23.1; 530/350 [IMAGE AVAILABLE]

=> s 17 and neurotox?

1641 NEUROTOX?

L10 138 L7 AND NEUROTOX?

=> s 110 and PC12

505 PC12

L11 16 L10 AND PC12

=> d 1-

1. 5,866,318, Feb. 2, 1999, Inhibition of phospholipase A sub.2 to reduce neuronal cell death; Russell E. Rydel, et al., **435/4**., 6, 325, 375, 377 [IMAGE AVAILABLE]

2. 5,854,392, Dec. 29, 1998, beta. APP-C100 receptor; Susan P. Manly, et al., 530/350; **435/69.1**.; 530/327, 395; 536/23.5 [IMAGE AVAILABLE]

3. 5,851,832, Dec. 22, 1998, In vitro growth and proliferation of

multipotent neural stem cells and their progeny; Samuel Weiss, et al., **435/368**., 325, 366, 377, 383, 384 [IMAGE AVAILABLE]

4. 5,840,540, Nov. 24, 1998, Nucleic acids encoding presenilin II; Peter H. St. George-Hyslop, et al., **435/69.1**., 252.3, **320.1**., 325; 530/350; 536/23.1, 24.3 [IMAGE AVAILABLE]

5. 5,837,489, Nov. 17, 1998, Human neuronal nicotinic acetylcholine receptor and cells transformed with same DNA and mRNA encoding an-subunit of; Kathryn J. Elliott, et al., **435/69.1**., 252.3, **320.1**., 325, 326, 335; 530/350; 536/23.1, 23.5 [IMAGE AVAILABLE]

6. 5,801,232, Sep. 1, 1998, DNA and mRNA encoding human neuronal

nicotinic acetylcholine receptor alpha-2 subunit and cells transformed with same; Kathryn J. Elliott, et al., 536/23.5; **435/69.1**., 252.3, 325; 536/23.1 [IMAGE AVAILABLE]

7. 5,789,196, Aug. 4, 1998, Recombinantly produced, beta.4 neuronal nicotinic acetylcholine receptor subunits; Stephen Fox Heinemann, et al., **435/69.1**., 6, 252.3, **320.1**., 436/501; 530/350; 536/23.5 [IMAGE AVAILABLE]

8. 5,762,926, Jun. 9, 1998, Method of grafting genetically modified cells to treat defects, disease or damage of the central nervous system; Fred H. Gage, et al., 424/93.21; **435/69.1**., **320.1**., 375, 514/44 [IMAGE AVAILABLE]

9. 5,750,376, May 12, 1998, In vitro growth and proliferation of genetically modified multipotent neural stem cells and their progeny; Samuel Weiss, et al., 435/69.52, **69.1**., 325, **368**., 377, 384, 392, 395, **435**., 456, 458, 461 [IMAGE AVAILABLE]

10. 5,750,103, May 12, 1998, Method for transplanting cells into the brain and therapeutic uses thereof; Bruce D. Chertsey, 424/93.21, 93.7, 484, 486, 487, 488, 499, 500, 501; 435/176, 177, 178, 179, 180, 304.1, 307.1, 325, 346, 366, **368**., 369, 371, 374, 395, 403; 604/57 [IMAGE AVAILABLE]

11. 5,712,160, Jan. 27, 1998, Method of stimulating growth using neurotrophic peptides; J. Regino Perez-Polo, 435/375, 7.2, 325, **368**., 514/2, 14; 530/326 [IMAGE AVAILABLE]

12. 5,576,209, Nov. 19, 1996, Method for increasing the resistance of neural cells to beta-amyloid peptide toxicity; Dale E. Bredesen, 435/325, **368**., 514/2, 12 [IMAGE AVAILABLE]

13. 5,449,606, Sep. 12, 1995, DNA encoding neuronal nicotinic